



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 8449

|                             |                                       |              |                        |                                    |
|-----------------------------|---------------------------------------|--------------|------------------------|------------------------------------|
| SERIAL NUMBER<br>10/788,753 | FILING DATE<br>02/27/2004<br><br>RULE | CLASS<br>416 | GROUP ART UNIT<br>3745 | ATTORNEY DOCKET NO.<br>12742.3USU1 |
|-----------------------------|---------------------------------------|--------------|------------------------|------------------------------------|

## APPLICANTS

Daniel A. Newman, Roanoke, VA;

Joseph C. Carley, Blacksburg, VA;

## \*\* CONTINUING DATA \*\*\*\*\*

This appln claims benefit of 60/454,295 03/13/2003 *NEW*

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

*NOISE**NEW*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 05/19/2004

|  |  |                           |                        |                       |                            |
|--|--|---------------------------|------------------------|-----------------------|----------------------------|
| Foreign Priority claimed<br>35 USC 119 (a-d) conditions met<br>Verified and Acknowledged | <input type="checkbox"/> yes <input type="checkbox"/> no<br><input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance<br>Examiner's Signature _____ Initials _____ | STATE OR<br>COUNTRY<br>VA | SHEETS<br>DRAWING<br>4 | TOTAL<br>CLAIMS<br>20 | INDEPENDENT<br>CLAIMS<br>4 |
|--|--|---------------------------|------------------------|-----------------------|----------------------------|

## ADDRESS

Merchant &amp; Gould P.C.

P.O. Box 2903

Minneapolis, MN

55402-0903

## TITLE

Uni-directional impeller, and impeller and rotor assembly

|                                   |   |   |
|-----------------------------------|---|---|
| FILING FEE<br><br>RECEIVED<br>856 | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees ( Filing )<br><input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )<br><input type="checkbox"/> 1.18 Fees ( Issue )<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |
|-----------------------------------|---|---|